Title (en)
DEVICE, METHOD AND COMPUTER PROGRAM FOR IDENTIFYING CHARACTERS IN AN IMAGE

Title (de)
VORRICHTUNG, VERFAHREN UND COMPUTERPROGRAMM ZUR ERKENNUNG VON SCHRIFTZEICHEN IN EINEM BILD

Title (fr)
DISPOSITIF, PROCÉDÉ ET PROGRAMME D'ORDINATEUR POUR IDENTIFIER DES CARACTÈRES SUR UNE IMAGE

Publication
EP 2082357 B1 20110727 (DE)

Application
EP 07856855 A 20071218

Priority
• EP 2007011132 W 20071218
• DE 102006059659 A 20061218

Abstract (en)
[origin: US8538157B2] A device for detecting characters in an image includes a Hough transformer implemented to identify, as identified elements of writing, circular arcs or elliptical arcs in the image or in a preprocessed version of the image. The device further includes a character description generator implemented to obtain, on the basis of the identified circular arcs or elliptical arcs, a character description which describes locations of the identified circular arcs or elliptical arcs. In addition, the device includes a database comparator implemented to compare the character description with a plurality of comparative character descriptions which have character codes associated with them, so as to provide, as a result of the comparison, a character code of a detected character.

IPC 8 full level
G06V 30/224 (2022.01); G06V 30/10 (2022.01)

CPC (source: EP US)
G06V 30/18067 (2022.01 - EP US); G06V 30/10 (2022.01 - EP US)

Citation (examination)
A. AMIN: "RECOGNITION OF HAND-PRINTED LATIN CHARACTERS BASED ON GENERALIZED HOUGH TRANSFORM AND DECISION TREE LEARNING TECHNIQUES", INTERNATIONAL JOURNAL OF PATTERN RECOGNITION AND ARTIFICIAL INTELLIGENCE, vol. 14, no. 3, 1 May 2000 (2000-05-01), pages 369 - 387, XP000980964, DOI: doi:10.1142/S0218001400000246

Designated contracting state (EPC)
AT BE BG CH CY CZ DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2010054603 A1 20100304; **US 8538157 B2 20130917**; AT E518202 T1 20110815; DE 102006059659 A1 20080619; DE 102006059659 B4 20091210; EP 2082357 A1 20090729; EP 2082357 B1 20110727; WO 2008074477 A1 20080626

DOCDB simple family (application)
US 51940707 A 20071218; AT 07856855 T 20071218; DE 102006059659 A 20061218; EP 07856855 A 20071218; EP 2007011132 W 20071218